

Residue Management, Seasonal

Vermont Conservation Practice Job Sheet

344



What is Seasonal Residue Management?

Seasonal Residue Management is managing the amount, orientation, and distribution of crop and other plant residues on the soil surface for a specified period of the year, while planting annual crops on a clean-tilled seedbed, or when growing biennial or perennial seed crops.

Seasonal residue management includes managing residues of annual crops from harvest until the residue is:

- Buried by tillage for seedbed preparation
- Removed by grazing, or
- Mechanically removed

Purposes

This practice is designed to accomplish one or more of the following conservation purposes:

- Reduce sheet and rill erosion
- Reduce off-site transport of sediment, nutrients or pesticides.
- Provide food and escape cover for wildlife

Practice Application

This practice applies to all cropland and other land where crops are grown.

Resource Management Systems

Residue Management, Seasonal is used as part of a Resource Management System. Crop Rotation, Irrigation Water Management, Nutrient Management, Pest Management, buffer practices, and other conservation practices are utilized in the planning process to address natural resource concerns.

Practice Specifications

Practice specifications are provided to ensure that seasonal residue management meets the resource needs and producer's objectives. Specification shall be recorded for each field or treatment unit using Table 1 - Practice Specifications.

Operation and Maintenance

No operation and maintenance requirements, national in scope, have been identified for this practice.

Residue Management, Seasonal – Job Sheet

Operator:		Planner:	
Farm:	Tract(s):	Field(s):	

Practice purpose (check one or more that apply)			
1	Reduce sheet and rill erosion	4	Other
2	Improve wildlife habitat (food and cover)		
3	Improve soil quality and organic matter content		

Table 1 Practice Specifications (and application record)									
Tract	Field (s)	Crop To Be Planted	Year To Be Planted	Previous Crop Residue	Orientation Standing (S) Or Flat (F)	Maintain Residue Through (Date)	Residue Height inches	Percent Residue Cover	
								Planned	Applied

Notes: Residue management could include mowing, baling, tilling, grazing.
If residue is managed for wildlife benefits, describe planned wildlife provisions.
Also use this space to describe other site-specific requirements, such as
dates during which residue will be maintained.

Soil Conditioning Index (SCI):	Calculated SCI value for Erosion Subfactor (ER):
Notes concerning soil quality and improving (ER):	
<p>SCI provides an indication of the soil condition trend based on planned management. Positive values indicate an improving trend. Negative values indicate a degrading trend. The values are based on how crops and management affect soil organic matter content.</p> <p>Negative values for the ER factor should be treated to indicate an improving trend in the overall SCI</p>	

Residue Management, Seasonal – Job Sheet

Perform the following operations and maintenance:

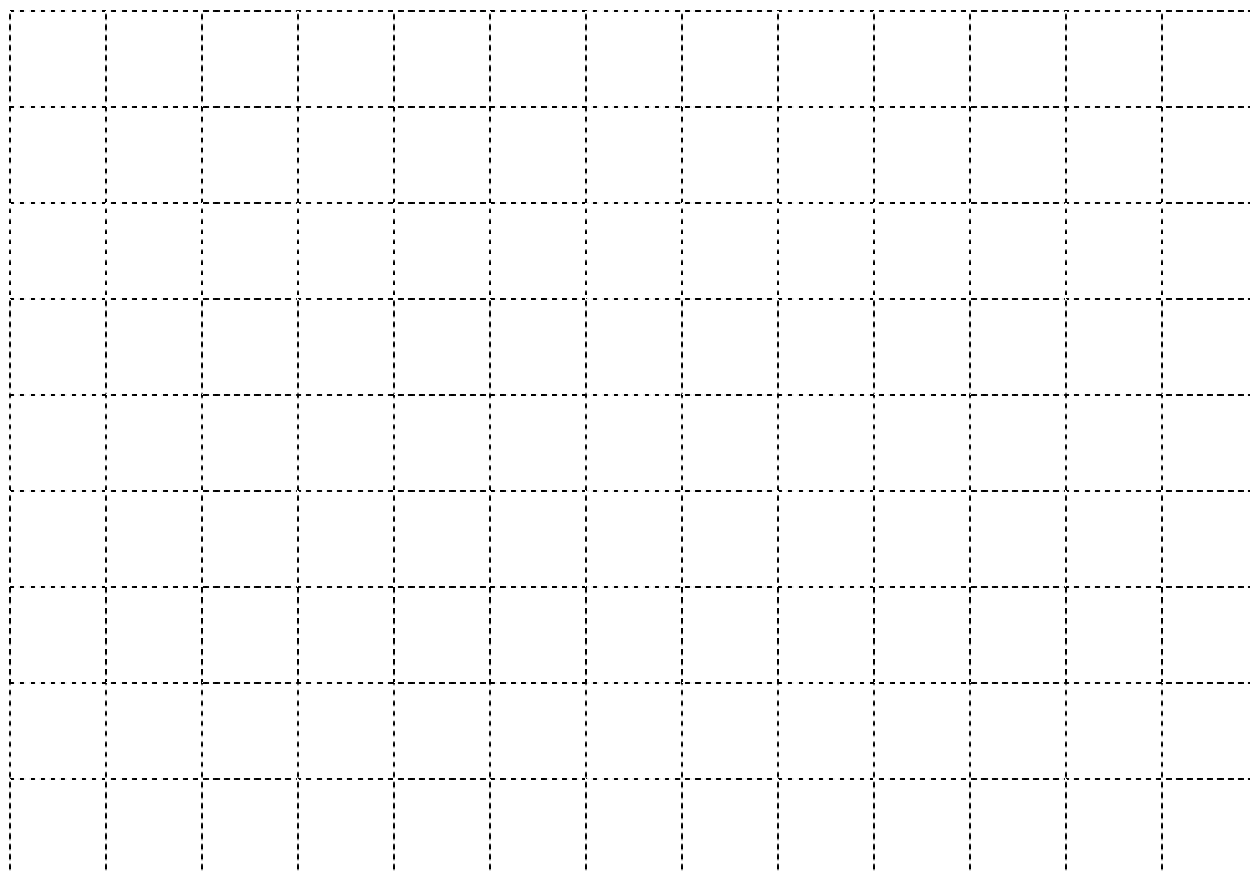
- Review the resident management component of the plan whenever the production system changes substantially, or at least every (5) years.
- Maintain mitigation techniques identified in the plan in order to ensure continued effectiveness.
- Other:

Additional Specifications and Notes

If needed, an aerial view or a side view of the practice can be shown below. Other relevant information, complementary practices and measures, and additional specifications may be included.

Recommendation: Import digital photographs to indicate practice before and after effects. For instructions regarding importing graphics to this doc go to: ftp://ftp-fc.sc.egov.usda.gov/VT/Technical/Help/Adobe_PDF_Help_1.pdf

Scale 1"= _____ ft. (NA indicates sketch not to scale: grid size=1/2" by 1/2")



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